

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-689 REV. A

REF TCCA STC: SH02-33

REF FAA STC: SR01620NY

REF EASA STC: EASA.IM.R.S.01453

REF BRAZILIAN STC: 2005S03-09

PURPOSE:

TO PROVIDE AN OPTIONAL CONTROL GUARD KIT TO BE INSTALLED ON THE D350-689-011/-021 DUAL HIGH BACK SEAT INSTALLATIONS.

CHANGE:

OPTIONAL D350-689-019 CONTROL GUARD KIT ADDED AS DETAILED BELOW. WHEN INSTALLING THE AN4 BOLTS IN THE DART SEAT, DRILL QTY (2) Ø0.257" HOLES PER INSTRUCTIONS (SEE SHEET 2 DETAIL A OF THIS SERVICE INSTRUCTION FOR REFERENCE).

| Qty -011 | Qty -013 | Qty -019 | Qty -021 | Qty -023 | Qty -041 | Qty -043 | Part Number | Description |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---|
| X | | | | | | | D350-689-011 | DUAL HIGH BACK SEAT INSTALLATION, LH |
| 1 | X | | | | | | D350-689-013 | FLOOR PROVISIONS KIT |
| | | X | | | | | D350-689-019 | CONTROL GUARD KIT |
| | | | X | | | | D350-689-021 | DUAL HIGH BACK SEAT INSTALLATION, LH (REF DSI 9419) |
| | | | 1 | X | | | D350-689-023 | ENERGY ATTENUATING FLOOR PROVISION KIT (REF DSI 9419) |
| 1 | | | | | X | | D350-689-041 | DUAL HIGH BACK SEAT ASSEMBLY |
| | | | 1 | | | X | D350-689-043 | DUAL HIGH BACK SEAT ASSEMBLY (REF DSI 9419) |
| | | 1 | | | | | D3084-3 | STRUT |
| | | 2 | | | | | NAS43DD4-46N | SPACER |
| | | 1 | | | | | AN4-12A | BOLT |
| | | 1 | | | | | AN4-20A | BOLT |
| | | 2 | | | | | MS21042-4 | NUT (OR MS24042L4) |
| | | 8 | | | | | NAS1149D0416J | WASHER |

INSTRUCTIONS:

1. LOCATE LOWER HOLE (SEE FIGURE 1 SHEET 2) AND DRILL Ø0.257" HOLE.
 2. USING STRUT P/N D3084-3 AS TEMPLATE, TEMPORARILY FASTEN TO LOWER HOLE, LOCATE UPPER HOLE ON CENTER LINE OF TUBE. REF FIGURE 1.
 3. DRILL Ø0.257" HOLE.
 4. REMOVE BURRS AND SHARP EDGES ON BOTH HOLES AND TOUCH UP PER ICA-D350-689 CHAPTER 5.2 SECTION 8.
 5. INSTALL STRUT USING HARDWARE SHOWN. TORQUE FASTENERS TO 50-70 in-lbs.
- LONGER AN4 BOLTS ARE ACCEPTABLE TO ENSURE A MINIMUM OF 1.5-2 THREADS IN SAFETY.

WEIGHT AND BALANCE:






| Installation | Weight | LATERAL | | LONGITUDINAL | |
|---|-------------------|--------------------|---------------------------|-------------------|-----------------------|
| | | Arm | Moment | Arm | Moment |
| D350-689-019 CONTROL GUARD KIT. (Seat's Fwd position) | 0.5 lb 0.23 kg | -9.0 in -0.23 m | - 4.5 in-lb -0.05 m-kG | 60.7 in 1.54 m | 30 in-lb 0.35 m-kG |
| D350-689-019 CONTROL GUARD KIT. (Seat's Aft position) | 0.5 lb 0.23 kg | -9.0 in -0.23 m | - 4.5 in-lb -0.05 m-kG | 64.7 in 1.64 m | 32 in-lb 0.38 m-kG |

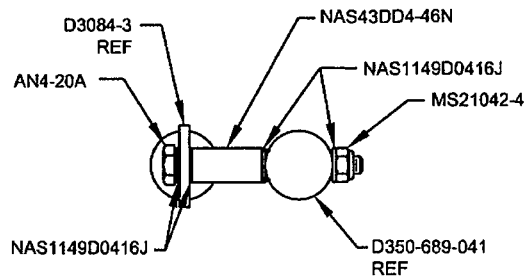
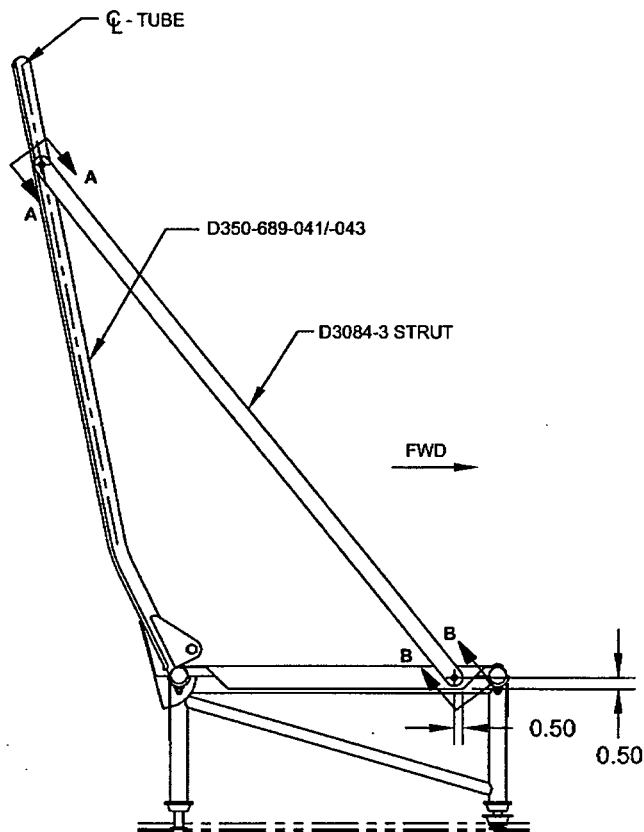
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AIRCRAFT CERTIFICATION
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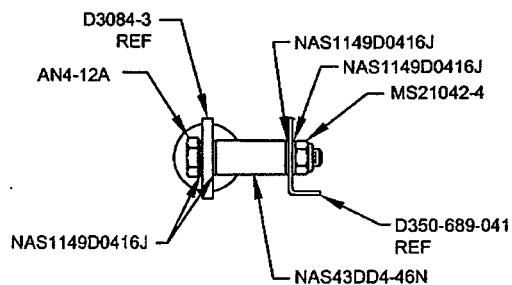
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D. SHEPHERD (DE # 02)

DATE: 10.04.01
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| MFG. APPR. | N/A | DSI 9493 | SHEET 1 OF 2 |
| APPROVED |  | TITLE | SCALE |
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SECTION VIEW A-A
ROTATED



SECTION VIEW B-B
ROTATED






FIGURE 1
D350-689-019 CONTROL GUARD KIT
(LOOKING OUTBOARD)

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BY: *[Signature]*
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